

SIO Shipyard Representative Bi-Weekly Progress Report		
Project: AGOR 28	Contract No.: N00014-12-C-0305	Shipyard: Dakota Creek Industries
Prepared by: Paul D. Bueren Scripps Institution of Oceanography (SIO) 297 Rosecrans St. San Diego, CA 98106	Date: April 1 2014	Program Officer: Robert (Tim) Schnoor Office of Naval Research 875 Randolph St ONR 321 Arlington, VA 22203-1995
Distribution Statement A: Approved for public release; distribution unlimited.		Report No. A002.053

1. Meetings:

- i. Participated in weekly conference calls.
- ii. Participated in weekly yard meeting with yard and GPA.
- iii. Attended CAST-6 Demonstration at Markey
- iv. Attended Phase III Discussions at DCI

2. The following Shipyard Question Submittals were reviewed and commented on:

Q93 Monel Topside Flange Fasteners:

J-1 Appendix B, under notes: "flange bolting exposed to weather shall be monel."

Dakota Creek would like to propose using CRES 304SS application for all flange bolts exposed to weather in lieu of Monel. Monel is over engineering and DCI believes CRES 304SS won't lock up or corrode when exposed to seawater. This material request would be consistent with the application already used throughout the vessel.

SIO responded that it is acceptable to use CRES in lieu of Monel, but would prefer 316 Stainless Steel to 304 due to its greater resistance to chloride corrosion.

3. Logistics:

- i. Continuing to review Vendor Recommended Spares (VRS).
- ii. Continuing to review Technical Manuals and Supplemental Information.
- iii. Continuing to work on initial outfitting lists for Sally Ride.

4. Other Work Items:

- HMR 20, Second Galley Oven – Waiting on final approval.
- HMR 21, Stand-alone Autopilot – No new informations at this time.
- Scientific Refrigeration Boxes - No changes since last reporting period
- Mast Vibration – excessive vibration noted on Armstrong's Pole Mast (RAM/NUC Nav Light Mast). Video submitted showing the effect of a light winds on the mast. DCI has since welded a cross piece on Sally Ride's mast to see if this will reduce or eliminate the vibration.
- Machining continues stern tubes.
- Markey CAST-6 Demo – Attended demo for both of Ride's CAST-6 winches at Markey. Trip report submitted to PME.

Report Documentation Page				Form Approved OMB No. 0704-0188	
Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					
1. REPORT DATE APR 2014		2. REPORT TYPE		3. DATES COVERED 00-00-2014 to 00-00-2014	
4. TITLE AND SUBTITLE AGOR 28				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Scripps Institution of Oceanography (SIO), 297 Rosecrans St., San Diego, CA, 98106				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited					
13. SUPPLEMENTARY NOTES					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 5	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			

- Transducer Vents and Fills – SIO submitted preliminary sketch of proposed vent and fill lines to various transducers.
- Sally Ride Propeller Assemblies – Hundested installed blade to hubs. Shafts prepped for installation once stern tube and strut bearings are fitted.



ABS/USCG Call-Outs

AGOR 27* Structural

MOD 14: Mast Connection

Small weld defect or crack noted on aft port support tube. To be repaired by DCI.



AGOR 28* Structural

MOD 3: HIPAP

Transformer Room Blkh

MOD 4: SWBD RM Blkh

BERP Dk Structure
 MOD 9: Flag Block Winch
 Staging Bay (T)
 Wet Lab
 Ventilation Trunk
 Lkr FD-5
 Foc'sle Deck/01 Dk - Windows
 Main Dk BERP's
 Foc'sle Dk Mooring bits

WT Testing AGOR 28*

PH Deta clad Roll Tank Test –
 AP Tank P & STBD – Tank pressurized to 2-psi.
 #2 Ballast Tank #2 (T)
 All tanks pressurized to 2-psi. ABS in attendance. All boundaries checked. No leaks detected.

WT TESTING AGOR 27*

Potable Water Fill – Test pressure at 148-psi. No leaks detected.
 Fire Main (T) – No leaks detected. ABS and USCG in attendance.

5. The following DRL's were reviewed and commented on:

1st App Hull No	DRL No	Document Title	Occur No/Rev No
AGOR27	A007	STD Report - PURCHASE ORDERS (PO) (PO #720286 W & O)(R/ASR)	1149/0
AGOR28	A007	STD Report - PURCHASE ORDERS (PO) (PO #73099 SCHOLLHORN)(R/ASR)	899/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 72778-01 NR Neway Space 15051C Check Valve)(R/ASR)	1024/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 720138-01 NR Energy 1 G31M Battery)(R/ASR)	1026/0
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 720147-01 NR ZSI BETA Hydraulic Clamps)(R/ASR)	1028/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#354 DI-055 (TM) for 505 ZSI BETA Hydraulic Clamps)(R/ASR)	777/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (505 Neway space Figure 15051C Cast Steel Check Valve)(R/ASR)	779/0
AGOR27	A024	STD Report - REGULATORY BODY CORRESPONDENCE (ABS/ GPA COORISPONDENCE PILOT HOUSE VOID)(R/ASR)	130/0

AGOR27	A024	STD Report - REGULATORY BODY CORRESPONDENCE (ENCLOSURE RATING WATER MIST SYSTEM)(R/ASR)	131/0
AGOR27	A035-02	STD Report - SYSTEM DESIGN SCHEDULE (SSV SCHEDULE REV 12)(R/ASR)	24/2
AGOR27	A051	STD Report - VENDOR RECOMMENDED SPARES (VRS) LISTINGS, STATISTICS, AND LOCATIONS (PL 72683-01 NR Whirlpool Washer)(R/ASR)	1030/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#390 DI-055 (TM) for 655 Whirlpool Washer)(R/ASR)	781/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#391 DI-055 (TM) for 655 Whirlpool Dryer)(R/ASR)	783/0
AGOR27	A055	TM Report - COMMERCIAL TECHNICAL MANUALS AND SUPPLEMENTAL DATA (#400 DI-55 (TM) for 532a ClearWater Tech AERO2US Oxyen Concentrator)(R/ASR)	801/0
AGOR27	A031-03	STD Report - TEST PROCEDURES (AGOR 532-002-3 Fresh Water Cooling System)(R/ASR)	73/0
AGOR27	A007	STD Report - PURCHASE ORDERS (PO) (PO 72904 KONGSBERG)(R/ASR)	1179/0
AGOR27	A031-03	STD Report - TEST PROCEDURES (524-001-3)(R/ASR)	65/0
AGOR27	A031-03	STD Report - TEST PROCEDURES (505-016 HYDROSTATIC PRESSURE TESTING OF CENTRAL FRESHWATER COOLING SYSTEMS)(R/ASR)	67/0
AGOR27	A031-03	STD Report - TEST PROCEDURES (505-017 HYDROSTATIC PRESSURE TESTING OF SEAWATER SERVICE SYSTEMS)(R/ASR)	69/0